
Subject: map_set, !map, !x, !p.position (and behind this curtain, !x.*)

Posted by [MarioIncandenza](#) on Thu, 23 Mar 2006 03:22:51 GMT

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Hi IDL Genii,

Everything would be dandy if I could just call

MAP_SET,<PROJECTION INFO>,POSITION=<POSITION>,LIMIT=<LIMIT>

But in my application, the map projection and limit must be set OUTSIDE of the routine, and the position must be set INSIDE (the routine draws the map, overlays the contours, and then draws a colorbar legend and some additional annotation).

IDL help notes that MAP_SET changes the !X.TYPE variable, but MAP_SET definitely does more than that to !X and !Y, things that (AFAIK) MAP_PROJ_INIT isn't made to do.

The only information that really has to be specified outside the routine is the projection type and the map boundaries (LIMIT). My thought was to pass !MAP, !X, and !Y through, but the drawing calls just ignore the !P.POSITION keyword when I do that. I can't find a way to pass this information without passing all those projection parameters, which is-- well, incomplete, non-robust, and just plain ugly.

Searching the newsgroup for help with this, I heard someone call for putting a keyword into MAP_SET to take output from MAP_PROJ_INIT. Hear hear!!!

I'm sure there's a 20-line kluge to get around this, and hey-- my teams are all out of the tournament, what was I gonna do this weekend anyway?

Subject: Re: map_set, !map, !x, !p.position (and behind this curtain, !x.*)

Posted by [Jan Kristian Jensen](#) on Thu, 30 Mar 2006 08:31:35 GMT

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Ed Hyer wrote:

> Jan,

>

> It's back up. I don't want to post to group because it's ~350 lines

> long. The file on the FTP site has all of the MAP_SET auxiliary

> routines, which are unmodified, as well as the MAP_SET_HACK routine,

> which is a substitute for MAP_SET. You could put just this routine into

> a file, but then you have to compile MAP_SET explicitly to use

> MAP_SET_HACK.

>
> --Edward H.

Thanks a lot. Looking forward to dig into it (but it will take some time
before I can make the time, though...)

Jan
--
Jan Kristian Jensen

Remove the obvious from the email adress to email me.
